

Attny Docket No. B1180/20029  
Confirmation No. 5188

Applicant : Torsten MÜLLER et al.  
Title : DEVICE AND METHOD FOR COUPLING LINES TO  
FLUIDIC MICROSYSTEMS

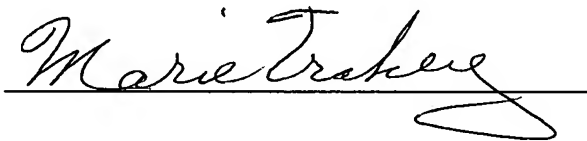
The following documents are submitted for the above-identified invention for entry into the U.S. National stage under 35 U.S.C. §371, based on the International Application No. PCT/EP03/03092, which includes the following:

1. One (1) sheet of Transmittal Letter;
2. Calculation sheet, in duplicate;
3. Response to Notification of Missing Requirements;
4. Petition for Extension of Time, in duplicate;
5. Application Data Sheet;
6. Four (4) sheets Declaration and Power of Attorney;
7. Notification of Missing Requirements; and
8. Return Receipt Post Card.

10/509190

"Express Mail" Mailing Label No. EL 962 213 084 US  
Date of Deposit August 9, 2005

I hereby certify that the above-identified documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,



Marie Trahey

SUBSTITUTE  
FORM PTO-1390  
(REV. 04-2004)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

B1180/20029

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/509,190

INTERNATIONAL APPLICATION NO.

PCT/EP03/03092

INTERNATIONAL FILING DATE

March 25, 2003 (03-25-2003)

PRIORITY DATE CLAIMED

March 25, 2002 (03-25-2002)

TITLE OF INVENTION

DEVICE AND METHOD FOR COUPLING LINES TO FLUIDIC MICROSYSTEMS

APPLICANT(S) FOR DO/EO/US

Torsten MÜLLER, Annette PFENNIG, Stephen SHIRLEY, Stefan HUMMEL and  
Martin REICHEL

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 & 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Response to Notification of Missing Requirement, Application Data sheet, Petition for Extension of Time, and Express Mailing sheet Certificate No. EL 962213084US

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/509,190		INTERNATIONAL APPLICATION NO. PCT/EP03/03092		ATTORNEY'S DOCKET NO. B1180/20029	
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21. <input type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1080.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$920.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00 <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS    PTO USE ONLY</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	20 - 20 =	0	x \$18.00		
Independent claims	1 - 3 =	0	x \$86.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ 290.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$130.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$130.00	
08/12/2005 LLANDGRA 00000067 030075 10509190 01 FC:1617 130.00 DA				Amt. to be refunded: \$ Amt to be charged: \$	

a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 03-0075 in the amount of \$ 130.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
Deposit Account No. 03-0075. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information  
should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)  
or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 03000

SIGNATURE  
  
 David M. Tener  
 NAME  
 37,054  
 REGISTRATION NUMBER

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION**

Applicant(s): Torsten MÜLLER et al.

U.S. National Stage of PCT/EP03/03092      International Filing Date: March 25, 2003

Serial No: 10/509,190      Group Art Unit: \*

Filed: September 24, 2004      Examiner: \*

Att. Docket No.: B1180/20029      Confirmation No.: 5188

For: DEVICE AND METHOD FOR COUPLING LINES TO FLUIDIC MICROSYSTEMS

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENT  
UNDER 37 U.S.C. IN THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed from the United States Patent and Trademark Office on March 28, 2005 (copy enclosed), Applicants attach a Declaration executed by the inventors to complete the filing requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US). Authorization to charge the large entity surcharge under 37 CFR 1.492(e) is granted in the attached Transmittal Letter.

Pursuant to 37 CFR 1.48(f), the executed Declaration corrects the inventorship of the application by adding two inventors not identified in the documents filed September 24, 2004. Accordingly, a supplemental Application Data Sheet is also attached. The Declaration is compliant with 37 CFR 1.497(a) and (b), when read in conjunction with the Application Data Sheet filed concurrently herewith, which identifies the International Application Number (PCT/EP03/03092) and International Filing Date (March 25, 2003). 37 CFR §§ 1.497(c) and 1.67.

Also attached is a Petition For Extension of Time to permit the timely filing of the Declaration.

Applicant respectfully requests that a Notice of Acceptance be issued.

Respectfully submitted,

CAESAR, RIVISE, BERNSTEIN,  
COHEN & POKOTILOW, LTD.

By  \_\_\_\_\_

David M. Tener  
Registration No. 37,054  
Customer No. 03000  
(215) 567-2010  
Attorneys for Applicant(s)

August 9, 2005

Please charge or credit our Account  
No. 03-0075 as necessary to effect  
entry and/or ensure consideration of  
this submission.



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/509,190	Torsten Muller	B1180/20029

INTERNATIONAL APPLICATION NO.

PCT/EP03/03092

I.A. FILING DATE

03/25/2003

PRIORITY DATE

03/25/2002

CONFIRMATION NO. 5188

371 FORMALITIES LETTER



\*OC000000015574863\*

03000  
CAESAR, RIVISE, BERNSTEIN,  
COHEN & POKOTILOV, LTD.  
11TH FLOOR, SEVEN PENN CENTER  
1635 MARKET STREET  
PHILADELPHIA, PA 19103-2212

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APR 06 2005

CAESAR, RIVISE, BERNSTEIN  
COHEN & POKOTILOV, LTD.



Date Mailed: 03/28/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/24/2004
- English Translation of the IA filed on 09/24/2004
- Copy of the International Search Report filed on 09/24/2004
- Copy of IPE Report filed on 09/24/2004
- Copy of Annexes to the IPE filed on 09/24/2004
- Preliminary Amendments filed on 09/24/2004
- U.S. Basic National Fees filed on 09/24/2004
- Priority Documents filed on 09/24/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Late oath or declaration Surcharge.

Additionally the following defects have been observed:

- The translations of Annexes are canceled since the translations were not submitted prior to 30 months from the priority date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/509,190	PCT/EP03/03092	B1180/20029